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Docket No.: 1028-0199PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Robert STEVENS et al.

Application No.: 10/530,524

Confirmation No.: 6766

Filed: April 7, 2005

Art Unit: 2874

For: FIBRE OPTIC BASED SEMICONDUCTOR  
MICRO SENSORS FOR SENSING PRESSURE  
OR TEMPERATURE, FABRICATION  
METHODS OF SAID SENSORS, AND A  
METHOD OF SECURING AN OPTICAL  
FIBRE TO A SILICON BLOCK

Examiner: C. H. Chu

**SUBMISSION OF POWER OF ATTORNEY  
AND CORRESPONDENCE ADDRESS INDICATION FORM**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in connection with the above-identified U.S. patent application is a Power of Attorney and Correspondence Address Indication Form.

Dated: April 24, 2006

Respectfully submitted,

By 

Michael K. Mutter  
Registration No.: 29,680  
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(703) 205-8000  
Attorney for Applicants



PATENT  
1028-0199PUS1

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Robert Stevens et al. Conf.:  
Appl. No.: Group:  
Filed: April 7, 2005 Examiner:  
For: FIBRE OPTIC BASED SEMICONDUCTOR MICRO  
SENSORS FOR SENSING PRESSURE OR  
TEMPERATURE, FABRICATION METHODS OF SAID  
SENSORS, AND A METHOD FO SECURING AN  
OPTICAL FIBRE TO A SILICON BLOCK

POWER OF ATTORNEY  
AND  
CORRESPONDENCE ADDRESS INDICATION FORM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The Assignee of the above-identified patent application or issued patent, Council for the Central Laboratory of the Research Councils having a business office at Rutheford Appleton Labroatory, Chilton, Didcot, Oxfordshire OX11 0QX, Great Britain, as evidenced by the enclosed Certificate Under 37 C.F.R. § 3.73(b) showing chain of title, hereby appoints appoints the practitioners at CUSTOMER NO. 02292 (BIRCH, STEWART, KOLASCH & BIRCH, LLP) as the attorneys of the Assignee to receive all correspondence relating to the above-identified application or patent and to transact all business in the United States Patent and Trademark Office connected therewith, with full power of substitution and revocation, and the Assignee ratifies any act done by the Assignee's attorneys in respect of this patent. The new correspondence address is:

Docket No. 1028-0199PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 02292  
P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

The undersigned (whose title is supplied below) is empowered to sign this Revocation and Substitute Power of Attorney on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

29/11/05  
Date

Linda Gaines  
Signature  
LINDA GAINES  
Typed or printed name  
Commercial Secretary  
Title

Enclosure: Certificate Under 37 C.F.R. § 3.73(b)  
showing chain of title.



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Robert STEVENS et al.

Application No./Patent No.: 10/530,524

Filed/Issue Date: April 7, 2005

**FIBRE OPTIC BASED SEMICONDUCTOR MICRO SENSORS FOR SENSING PRESSURE OR TEMPERATURE, FABRICATION METHODS OF SAID SENSORS, AND A METHOD OF**

Entitled: SECURING AN OPTICAL FIBRE TO A SILICON BLOCK

COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS, a  
(Name of Assignee)

United Kingdom corporation  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Michael K. Mutter, Reg. No. 29,680  
Signature

April 24, 2006  
Date

Michael K. Mutter, Reg. No. 29,680  
Printed or Typed Name

(703) 205-8000  
Telephone Number

Attorney for Applicants  
Title

Ref 56,

## ASSIGNMENT

---

WHEREAS, I, **ROBERT STEVENS**

of **46 Priors Hill, Wroughton, Swindon, Wiltshire, SN4 0RW, United Kingdom** have invented certain new and useful improvements as described in an International Patent Application entitled **FIBRE OPTIC BASED SEMICONDUCTOR MICRO SENSORS FOR SENSING PRESSURE OR TEMPERATURE, FABRICATION METHODS OF SAID SENSORS, AND A METHOD OF SECURING AN OPTICAL FIBRE TO A SILICON BLOCK**

being identifiable under the Patent Co-operation Treaty by Serial No.

**PCT/GB2003/004362**, filed on 8 October 2003; and in the United States Patent and Trademark Office by Serial No. 10/530,524 , filed on 8 April 2005;

WHEREAS, **COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS**

a corporation organized and existing under the laws of the **United Kingdom** and having offices at **CLIK Knowledge Transfer, Rutherford Appleton Laboratory, Chilton, Didcot, Oxfordshire, OX11 0QX, United Kingdom.**

(Assignee) is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

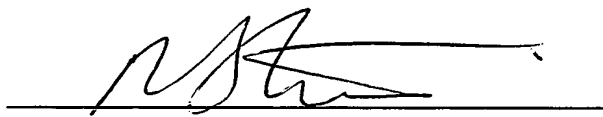
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patents or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and

Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent of similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the United States filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.



(Signature of Inventor)

Date: 29/11/05

H C DRUMMOND  
Witness: H C Drummond

Signature

Name: H C DRUMMOND

Address: 'STONY END'  
WELLSHEAD LANE  
HARWELL  
OXON OX11 0HD

**ASSIGNMENT**

Ref 56

WHEREAS, I, **ARNOLD PETER ROSCOE HARPIN**

of **The Wick, 8 Adderbury Road, Iffley Village, Oxford, OX4 4ES, United Kingdom** have invented certain new and useful improvements as described in an International Patent Application entitled **FIBRE OPTIC BASED SEMICONDUCTOR MICRO SENSORS FOR SENSING PRESSURE OR TEMPERATURE, FABRICATION METHODS OF SAID SENSORS, AND A METHOD OF SECURING AN OPTICAL FIBRE TO A SILICON BLOCK**

being identifiable under the Patent Co-operation Treaty by Serial No.

**PCT/GB2003/004362**, filed on 8 October 2003; and in the United States Patent and Trademark Office by Serial No. 10/530,524 , filed on 8 April 2005;

WHEREAS, **COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS**

a corporation organized and existing under the laws of the **United Kingdom** and having offices at **CLIK Knowledge Transfer, Rutherford Appleton Laboratory, Chilton, Didcot, Oxfordshire, OX11 0QX, United Kingdom.**

(Assignee) is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patents or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and

Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent of similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the United States filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

  
\_\_\_\_\_  
(Signature of Inventor)

Date: 29/11/05

Witness: JOHN DEANE

Signature 

Name: JOHN DEANE

Address: 16 ST. GEORGES TERRACE,  
LAMBETH,  
S E 11 5J,  
LONDON S E 11 5J.